

Title (en)

USE OF A MAIZE UNTRANSLATED REGION FOR TRANSGENE EXPRESSION IN PLANTS

Title (de)

VERWENDUNG EINER UNTRANSLATIERTEN MAISREGION ZUR TRANSGENEXPRESSION BEI PFLANZEN

Title (fr)

UTILISATION D'UNE RÉGION NON-TRADUITE DU MAÏS POUR L'EXPRESSION D'UN TRANSGÈNE DANS DES PLANTES

Publication

EP 2885412 A2 20150624 (EN)

Application

EP 13752757 A 20130808

Priority

- US 201261684255 P 20120817
- US 2013054102 W 20130808

Abstract (en)

[origin: WO2014028295A2] Provided are methods, vectors and gene constructs for enhancing expression of a recombinant nucleic acid sequence in transgenic plants and plant tissues. According to the present invention, nucleic acid sequences are obtained and/or derived from the 3' untranslated regions of genes encoding ubiquitin proteins and engineered to flank respective portions of a selected coding region of a vector. The vector construct may be introduced into plants and/or plant tissues through conventional or gene targeting procedures, resulting in enhanced expression of the selected coding region. In some embodiments, the selected coding region is a chimeric gene or gene fragment expressing one or more proteins known to impart a level of insecticidal activity to a transgenic plant and/or plant tissue.

IPC 8 full level

C12N 15/82 (2006.01)

CPC (source: EP KR US)

C12N 9/0069 (2013.01 - KR); **C12N 15/821** (2013.01 - KR); **C12N 15/8216** (2013.01 - US); **C12N 15/8218** (2013.01 - EP KR); **C12N 15/8274** (2013.01 - KR); **C12N 15/8286** (2013.01 - KR)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

WO 2014028295 A2 20140220; WO 2014028295 A3 20140410; AR 092152 A1 20150325; AU 2013302947 A1 20150205; AU 2013302947 B2 20170601; BR 112015002918 A2 20180417; BR 112015002918 B1 20220927; BR 112015002918 B8 20230516; CA 2884256 A1 20140220; CA 2884256 C 20210803; CA 3116898 A1 20140220; CA 3116898 C 20220927; CN 104662156 A 20150527; EP 2885412 A2 20150624; EP 2885412 B1 20190501; IL 237206 A0 20150430; IN 512DEN2015 A 20150626; JP 2015524672 A 20150827; KR 20150041788 A 20150417; RU 2015109129 A 20161010; US 2015203856 A1 20150723; US 9688996 B2 20170627; ZA 201500460 B 20161026

DOCDB simple family (application)

US 2013054102 W 20130808; AR P130102914 A 20130816; AU 2013302947 A 20130808; BR 112015002918 A 20130808; CA 2884256 A 20130808; CA 3116898 A 20130808; CN 201380043853 A 20130808; EP 13752757 A 20130808; IL 23720615 A 20150212; IN 512DEN2015 A 20150121; JP 2015527493 A 20130808; KR 20157003826 A 20130808; RU 2015109129 A 20130808; US 201314416811 A 20130808; ZA 201500460 A 20150122